



390891

FEB 17 1984

# <u>L16304534</u>		POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT		IDENTIFICATION 01 STATE <u>IL</u> 02 SITE NUMBER <u>006317119</u>	
II. SITE NAME AND LOCATION					
01 SITE NAME (Legal, common, or descriptive name of site) <u>Pfizer Inc.</u>			02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER <u>2001 Lynch Avenue</u>		
03 CITY <u>E. St. Louis</u>			04 STATE <u>IL</u>	05 ZIP CODE <u>62201</u>	06 COUNTY <u>St. Clair</u>
09 COORDINATES LATITUDE <u>38 37 50.0</u> LONGITUDE <u>090 07 33.0</u>			07 COUNTY CODE <u>163</u> 08 CONG DIST <u>21</u>		
10 DIRECTIONS TO SITE (Starting from nearest public road) <u>2001 Lynch Avenue is about one mile east of the intersection of Interstate 55 and 70 with Interstate 64.</u>					
III. RESPONSIBLE PARTIES					
01 OWNER (If known) <u>Pfizer Inc.</u>			02 STREET (Business, mailing, residential) <u>235 EAST 42nd St.</u>		
03 CITY <u>New York</u>			04 STATE <u>NY</u>	05 ZIP CODE <u>10017</u>	06 TELEPHONE NUMBER <u>(212) 573-2323</u>
07 OPERATOR (If known and different from owner)			08 STREET (Business, mailing, residential)		
09 CITY			10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency Name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input type="checkbox"/> A. RCRA 3001 (DATE RECEIVED: <u>08/18/80</u> MONTH DAY YEAR) <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103 c) (DATE RECEIVED: _____ MONTH DAY YEAR) <input checked="" type="checkbox"/> C. NONE					
IV. CHARACTERIZATION OF POTENTIAL HAZARD					
01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE <u>06/25/81</u> (last inspection) <u>12/29/82</u> MONTH DAY YEAR <input type="checkbox"/> NO			BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify)		
02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN			03 YEARS OF OPERATION <u>6/2/41</u> BEGINNING YEAR _____ ENDING YEAR <input type="checkbox"/> UNKNOWN		
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED <u>are: Ammonia, Ferrous chloride, Ferrous sulfate, Hydrochloric Acid, Phosphoric Acid, Sodium Dichromate, Sodium Hydroxide, Sulfuric Acid and Titanium Copperas, Barium Hydrate, Barium Hydroxide, Barium Peroxide</u> <u>These substances are further characterized as toxic, corrosive and persistent</u>					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION <u>No potential hazard. The above listed substances are used in treatment as neutralizers/thickeners. The waste generated is treated (metal precipitated). The neutralized acid is discharged to the WWTTP. Pfizer has a NPDES permit for discharge water into Schenberger Creek. The waste sludge, rendered non-hazardous (verified by analysis) and sent to a permitted landfill. No apparent pollution problem.</u>					
V. PRIORITY ASSESSMENT <u>Site has permit to store haz. waste. (See Executive Summary)</u>					
01 PRIORITY FOR INSPECTION (Check one: If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspect on time available basis) <input checked="" type="checkbox"/> D. NONE (No further action needed, complete current disposition form)					
VI. INFORMATION AVAILABLE FROM					
01 CONTACT <u>Richard L. LaJuvnassz</u>			02 OF (Agency/Organization) <u>Pfizer Inc.</u>		03 TELEPHONE NUMBER <u>618 271-4700</u>
04 PERSON RESPONSIBLE FOR ASSESSMENT <u>Karen Mithrey</u>			05 AGENCY <u>IEPA</u>	06 ORGANIZATION	07 TELEPHONE NUMBER <u>217 782-6762</u>
					08 DATE <u>01/30/84</u> MONTH DAY YEAR



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

11D 006317119

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- A SOLID
B POWDER, FINES
C SLUDGE
D OTHER
E SLURRY
F LIQUID
G GAS

02 WASTE QUANTITY AT SITE

(Measures of waste quantities must be independent)

TONS 81,500,000
(Annual)

CUBIC YARDS

NO OF DRUMS

03 WASTE CHARACTERISTICS (Check all that apply)

- A TOXIC
B CORROSIVE
C RADIOACTIVE
D PERSISTENT
E SOLUBLE
F INFECTIOUS
G FLAMMABLE
H IGNITABLE
I HIGHLY VOLATILE
J EXPLOSIVE
K REACTIVE
L INCOMPATIBLE
M NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE - spent pickling liquor	81,500,000	T	neutralized components: sulfuric & hydrochloric acid, ferrous sulfate and ferrous chloride
CLW	OILY WASTE			K062
SOL	SOLVENTS			
PSD	PESTICIDES			
OC	OTHER ORGANIC CHEMICALS			
IC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/ DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
10C	Ammonia	7664-41-7	unknown / *		45.4 lbs.
10C	Ferrous Chloride	7758-94-3	" /		45.4 lbs.
10C	Ferrous Sulfate	7720-78-7	" /		45.4 lbs.
ACD	Hydrochloric Acid (muriatic acid)	7647-01-0	" /		45.4 lbs.
BAS	Sodium Hydroxide	1310-73-2	" /		45.4 lbs.
ACD	Sulfuric Acid	7664-93-9	" /		45.4 lbs.
10C	Titanium Copperas	—	" /		45.4 lbs.
10C	Barium Hydroxide	—	" /		1 lb.
10C	Barium Hydroxide	—	" /		1 lb.
10C	Barium Peroxide	—	" /		1 lb.
					1 lb.
	* Substances used in treatment operations as thickeners or neutralizers.				

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis reports)

Part A, FILE application submitted to IEPA for development & operation permits called FDS - Southern region - no more info. available



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

1LD 000317119

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

POTENTIAL

☐ ALLEGED

01 ☐ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: _____
(Acres)

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

POTENTIAL

☐ ALLEGED

01 ☐ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

ND 09631719

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
(Spills, runoff, standing liquids, leaking drums)

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

Executive Summary -- East St. Louis/Pfizer, Inc.

East St. Louis/Pfizer, Inc. produces inorganic pigments, red and yellow iron oxides and barium sulfate and magnetic pigments by using scrap metal (iron) and sulfuric acid.

This facility has been in operation since 1941.

The IEPA, Division of Land Pollution Control, initiated a file for this site on March 17, 1981. An ISS inspection was performed on July 25, 1981 at which time it was noted that this facility did not meet the RCRA interim standards specified for Training, Emergency and Contingency plans/procedures.

When the IEPA issued a developmental permit, these deficiencies were listed as special conditions to be met prior to issuance of an operating permit. After the submittal of additional information, which demonstrated that these conditions were met, Pfizer was granted a permit to operate. The following paragraph describes their operation:

Waste hydrochloric and sulfuric acid pickle liquor from area steel industries is utilized at the facility. Three (3) storage tanks, two 35,000 gallon tanks and one 40,000 gallon tank, store the pickle liquor prior to its use. Six (6) open top treatment tanks hold scrap iron, to which the pickle liquor is added. After the addition of heat and a time lapse of approximately 1 day, the acid is then neutralized to a level whereby the heavy metals precipitate. A sediment or sludge is discharged to the waste water treatment plant (NPDES permit granted) located on-site. After treatment, the waste water sludge is analyzed to verify that it does not meet the definition of a hazardous waste. Disposal occurs at one of three area landfill sites permitted to accept this waste sludge.

All pickle liquor storage tanks and neutralizers are inspected daily to ensure at least a 2 foot freeboard and inspected weekly to detect corrosion and leaking of fixture or seams. The IEPA site Air, Water and Land files indicate that all permits required by these divisions have been obtained. No waste is disposed of on-site and the files do not indicate that environmental problems have been encountered as a result of storing pickling liquor or any hazardous substances at this site. Based upon my file search, there is not any need for a FIT contractor to follow-up on any further investigation.

KN:sd/sp/325d/1